

## Product datasheet for **KN210516RB**

### Jagged1 (JAG1) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	Jagged1
Locus ID:	182
Components:	<b>KN210516G1</b> , Jagged1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN210516G2</b> , Jagged1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN210516RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	<a href="#">NM_000214</a>
UniProt ID:	<a href="#">P78504</a>
Synonyms:	AGS; AHD; AWS; CD339; HJ1; JAGL1
Summary:	The jagged 1 protein encoded by JAG1 is the human homolog of the Drosophila jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter is involved in signaling processes. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis. [provided by RefSeq, Nov 2019]



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**Product images:**
